



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: March 23, 2006

Effective Date: October 1, 2007

Revision Date: October 9, 2007

Expiration Date: September 30, 2008

Revision Type: Extension

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 06-050691

Federal Tax Id - Plant Code: 23-1315454-1

Plan Approval Description

This plan approval is issued for the various actions as found in Condition #016, Section C of this plan approval.

Owner Information

Name: EAST PENN MANUFACTURING COMPANY, INC.

Mailing Address: DEKA RD  
PO BOX 147  
LYON STATION, PA 19536

Plant Information

Plant: EAST PENN MFG CO INC/BATTERY ASSEMBLY

Location: 06 Berks County 06953 Richmond Township

SIC Code: 3691 Manufacturing - Storage Batteries

Responsible Official

Name: TROY GREISS

Title: DIR, ENV HEALTH & SAFETY

Phone: (610) 682 - 6361

Plan Approval Contact Person

Name: ERIC G PEFFEL

Title: ENV H&S ENGINEER

Phone: (610) 682 - 6361

[Signature] \_\_\_\_\_

WILLIAM R WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



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## SECTION A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
111	A-1 MIXING (SCIEN FC 1) & PASTING (FARR CC 4)		
133	A-2 GRIDCAST (CARB 1 & SCEIN 7 & 10)		
151	A-3 PASTE MIXING (AAF ROTO/SCIEN FC 6)		
153	A-3 COS & ENVELOP (SCIENTIFIC FC 2)		
156	A-3 GRID CASTING (SCIENTIFIC FC 6)		
158	A-3 PASTING (SCIENTIFIC FC 4 & 6))		
227	LEAD OXIDE MILL NO. 27	2,600.000 Lbs/HR 1,500.000 CF/HR	LEAD OXIDE NATURAL GAS
228	LEAD OXIDE MILL NO. 28	2,600.000 Lbs/HR 1,500.000 CF/HR	LEAD OXIDE NATURAL GAS
C151	FABRIC COLLECTOR: A-3 PASTING/MIX/CASTING (SCIEN #6)		
C151A	HEPA: A-3 MIX/PASTE/CASTING (SCIEN #6)		
C17	FABRIC CLTR: A-2 COS&ENVEL/GRIDCAST (CARB 1)		
C227A	CYCLONE: OXIDE MILL NO. 27		
C227B	FABRIC COLLECTOR: OXIDE MILL NO. 27		
C227C	HEPA: OXIDE MILL NO. 27		
C228A	CYCLONE: OXIDE MILL NO. 28		
C228B	FABRIC COLLECTOR: OXIDE MILL NO. 28		
C228C	HEPA: OXIDE MILL NO. 28		
C41	CART COLLECTOR: A-1 PASTING (FARR 4)		
C78	FABRIC COLLECTOR: A-3 BATT ASSEM/PASTE (SCIEN 4)		
C78A	HEPA: A-3 BATT ASSEMBLY/PASTE (SCIEN #4)		
FM001	PROPANE TANK FARM		
FM002	NATURAL GAS PIPELINE		
S14	STACK: A-2 COS&ENVEL/GRIDCAST (CARB 1)		
S151	STACK: A-3 PASTING/MIX/CASTING (SCIENTIFIC #6)		
S227	STACK: OXIDE MILL NO. 27		
S228	STACK: OXIDE MILL NO. 28		
S37	STACK: A-1 ASSEMBLY/PASTING (FARR 4)		
S78	STACK: A-3 ASSEMBLY/PASTE (SCIEN 4)		

## PERMIT MAPS





## PERMIT MAPS



**SECTION B. General Plan Approval Requirements**

#001 [25 Pa. Code § 121.1]

**Definitions**

Words and terms that are not otherwise defined in this plan approval shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.12b (a) (b)]

**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]

**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 15 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 120 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]

**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) &amp; 35 P.S. § 4013.2]

**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

**SECTION B. General Plan Approval Requirements**

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.13]

**Plan Approval Extensions**

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension should be postmarked at least thirty (30) days prior to the expiration date. The Department will not issue an extension after the plan approval expires. The request for an extension should include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted.

#007 [25 Pa. Code § 127.32]

**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(4) & 35 P.S. § 4008 & § 114 of the CAA]

**Inspection and Entry**

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as

**SECTION B. General Plan Approval Requirements**

the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

(c) Nothing in this plan approval condition shall limit the ability of the Environmental Protection Agency to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#009 [25 Pa. Code 127.13a]

**Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]

**Circumvention**

(a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]

**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(9) & 40 CFR Part 68]

**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels



## SECTION B. General Plan Approval Requirements

Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

## SECTION C. Site Level Plan Approval Requirements

### I. RESTRICTIONS.

#### Emission Restriction(s).

# 001 [25 Pa. Code §123.1]

##### Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants from a source other than the following:

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- d. Clearing of land.
- e. Stockpiling of materials.

Sources and classes of sources other than those identified in paragraphs (a) - (e), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:

- a. The emissions are of minor significance with respect to causing air pollution; and
- b. The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

# 002 [25 Pa. Code §123.2]

##### Fugitive particulate matter

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

# 003 [25 Pa. Code §123.31]

##### Limitations

No person shall emit any malodorous air contaminants into the outdoor atmosphere from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

### II. TESTING REQUIREMENTS.

# 004 [25 Pa. Code §123.43]

##### Measuring techniques

Visible emissions may be measured by using either of the following:

- a. A device approved by the Department and maintained to provide accurate opacity measurements.
- b. Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**SECTION C. Site Level Plan Approval Requirements**

# 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Department reserves the right to require exhaust stack testing of any source as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

# 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

At least 60 days prior to the test, the permittee shall submit to the Department for approval, the procedures for the testing and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

# 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

At least 30 days prior to the testing, the Regional Air Quality Program Manager or a representative shall be informed of the date and time of the testing.

# 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within 60 days after the source testing, three copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager or a representative for approval.

# 009 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**III. MONITORING REQUIREMENTS.**

# 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall conduct a weekly inspection of the sources covered by this approval during the daylight hours when the facility is in production to detect visible emissions, fugitive emissions and malodors as follows:

a. Visible emissions in excess of the limits specifically stated in this permit in Section D and Section E. Visible emissions may be measured according to the methods specified in Condition #004, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and



## SECTION C. Site Level Plan Approval Requirements

make arrangements for a certified observer to read the visible emissions.

b. Presence of visible fugitive emissions and fugitive particulate matter beyond the plant property boundaries, as stated in Condition #002, Section C.

c. Presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Condition #003, Section C.

### IV. RECORDKEEPING REQUIREMENTS.

# 011 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall record the results of the weekly inspections around the facility on the Department approved check sheets. The check sheets shall be made available to the Department upon request. The sheets shall be maintained in an acceptable manner.

### V. REPORTING REQUIREMENTS.

# 012 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall notify the Reading District Office of the initial startup of each new source and the completion of each installation of a new control device.

# 013 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this permit condition is derived from 25 PA Code Chapters 122 and 40 CFR Part 60 Sections 60.19]

a. The permittee shall report each malfunction to the Department that occurs with these sources. For purposes of this condition, a malfunction is any sudden, infrequent and not reasonably preventable failure of the air pollution control equipment, process equipment, or process to operate in a normal or usual manner that may result in an increase in air emissions above minor significance.

b. When malfunctions pose an imminent danger to public health and safety or harm to the environment, the notification shall be submitted to the Department no later than two (2) hours after the incident is detected by the permittee.

1. The notice shall describe the:

i. Name and location of the facility;

ii. Nature and cause of the malfunction or breakdown;

iii. Time when the malfunction or breakdown was first observed;

iv. Expected duration of excess emissions; and

v. Estimated rate of emissions.

## SECTION C. Site Level Plan Approval Requirements

2. The permittee shall notify the Department immediately when corrective measures have been accomplished.

3. Subsequent to the malfunction, the permittee shall submit a full report of the malfunction to the Department within fifteen (15) days, if requested.

c. Malfunctions shall be reported to the Department at the following address:

PA DEP, Reading District Office  
Air Quality Program  
1001 Cross Roads Blvd  
Reading, Pa 19605

Telephone reports can be made to the Air Quality Program at 610-916-0100 during normal business hours or to the Department's Emergency Hotline 888-975-9690 at any time.

### VI. WORK PRACTICE REQUIREMENTS.

# 014 [25 Pa. Code §123.1]

#### Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. These actions shall include, but not be limited to, the following:

- a. Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- b. Application of asphalt, oil, water or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- c. Paving and maintenance of roadways.
- d. Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water or other means.

### VII. ADDITIONAL REQUIREMENTS.

# 015 [25 Pa. Code §123.42]

#### Exceptions

The limitations of opacity do not apply to a visible emission in any of the following instances:

- a. When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- b. When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- c. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

# 016 [25 Pa. Code §127.12b]

#### Plan approval terms and conditions.

## SECTION C. Site Level Plan Approval Requirements

This plan approval is issued for the following actions:

- a. For the construction of a continuous grid casting machine and lead pot (133) in the A2 Assembly Plant to be controlled by the existing fabric collector (C17).
- b. For the installation of a fabric collector (C151) and HEPA filter (C151A) at the A3 Assembly Plant for the control of the following sources: A3 Pasting (158); A3 Paste Mixing (151); and A3 Grid Casting (156).
- c. For the construction of additional assembly operations (153) at the A3 Assembly Plant to be controlled by the existing fabric collector (C78) and HEPA filter (C78A).
- d. For the construction of an additional pasting line (111) at the A1 Assembly Plant to be controlled by the existing fabric collector (C41) and the HEPA filter (C41A).
- e. For the construction of an additional paste mixer as part of the existing paste mixing operation (151) at the A3 Assembly Plant to be controlled by the new fabric collector (C151) and HEPA filter (C151A).
- f. For the construction of two lead oxide mills (227 through 228) and a cyclone, fabric collector and HEPA filter on each in the Oxide Plant.

# 017 [25 Pa. Code §129.14]

### Open burning operations

No person shall conduct open burning of materials in such a manner that:

- a. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- b. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- c. The emissions interfere with the reasonable enjoyment of life and property.
- d. The emissions cause damage to vegetation or property.
- e. The emissions are or may be deleterious to human or animal health.

These limits do not apply where the open burning operations result from the following:

- a. A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- b. Any fire set for the purpose of instructing personnel in fire fighting as approved by the Department, provided the permittee has notified the Department of the date, time and place of the training.
- c. A fire set for the prevention and control of disease or pests, when approved by the Department.
- d. A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.



## SECTION C. Site Level Plan Approval Requirements

e. A fire set solely for recreational or ceremonial purposes.

f. A fire set solely for cooking food.

This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

### VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

### IX. COMPLIANCE SCHEDULE.

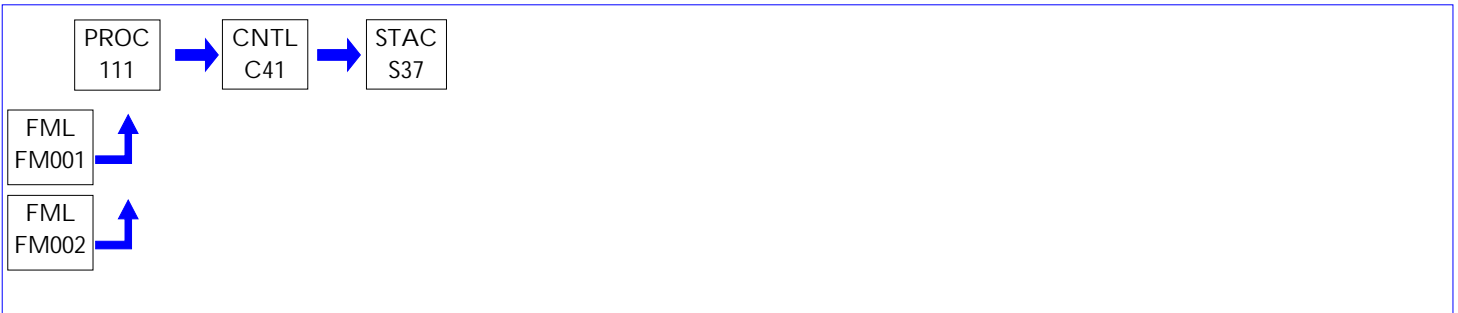
No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 111

Source Name: A-1 MIXING (SCIEN FC 1) &amp; PASTING (FARR CC 4)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall limit the emissions from the pasting line to the following:

- a. Particulate/PM-10 - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall operate the pasting line with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuels used by the pasting line to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**



**SECTION D. Source Level Plan Approval Requirements**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the pasting line will be operated, but not later than 180 days after the initial startup of the pasting line, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the fabric collector and HEPA filter controlling the pasting line.

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374, NSPS]

The permittee shall use appropriate EPA reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Source or alternative test methods as approved by the Department to determine emissions of the permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record once per week, the pressure drop across the fabric collector and HEPA filter controlling the exhaust from the pasting line, while the pasting line is in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector and HEPA filter can be measured.

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion sources in a manner consistent with good combustion practices.

**SECTION D. Source Level Plan Approval Requirements**

# 010 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collectors and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

**VII. ADDITIONAL REQUIREMENTS.**

# 011 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The conditions in this section only apply to the proposed new pasting line to be constructed in the A1 Assembly Plant, including all of the units as identified in East Penn's application and associated supplemental materials, and all associated control devices.

# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

**Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants****Applicability and designation of affected facility.**

The pasting line is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

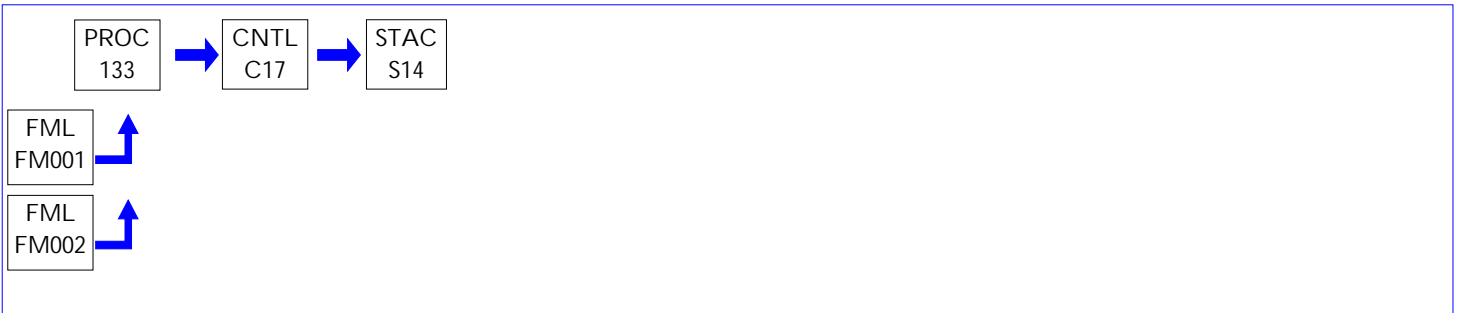
Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 133

Source Name: A-2 GRIDCAST (CARB 1 &amp; SCEIN 7 &amp; 10)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall limit the emissions from the concaster's associated lead pot to the following:

- a. Particulate/PM-10 - 0.002 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the emissions of volatile organic compounds (VOC) from the caster's wheel to 0.02 grains per dry standard cubic foot.

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall operate the concaster and associated lead pot with no visible emissions.

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372]

The permittee is allowed to prorate the lead emissions from the common control device controlling multiple sources

**SECTION D. Source Level Plan Approval Requirements**

with multiple lead emission limits should the test results fall above the limit for this specific source. The prorated emission limit shall be determined using the method specified in 40 CFR Section 60.372.

**Fuel Restriction(s).**

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the concaster and associated lead pot using only natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the concaster will be operated, but not later than 180 days after the initial startup of the concaster, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the fabric collector controlling the concaster lead pot; and VOC and visible emissions from the concaster wheel.

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374, NSPS]

The permittee shall use the appropriate test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods approved by the Department to determine the emissions of the permitted pollutants. The permittee shall use the Alcoa Field Test Method 1470-94/Alcoa Laboratory Analysis Method 1471-94 to determine VOC emissions from the concaster wheel exhaust.

**III. MONITORING REQUIREMENTS.**

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record once per week the pressure drop across the fabric collector controlling the exhaust from the concaster's lead pot, while the source is in operation.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION D. Source Level Plan Approval Requirements****V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector controlling the caster's lead pot can be measured.

# 011 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion sources associated with the concaster and lead pot in a manner consistent with good combustion practices.

# 012 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control device and associated equipment controlling the concaster's lead pot. The inspection shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

**VII. ADDITIONAL REQUIREMENTS.**

# 013 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The conditions in this section only apply to the concaster and associated lead pot to be constructed in A2 Assembly Plant, including all of the units identified in East Penn's application and supplemental materials, and all associated control devices.

# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)

[Applicability and designation of affected facility.](#)

The concaster's lead pot is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III



SECTION D. Source Level Plan Approval Requirements

1650 Arch Street  
Philadelphia, Pa 19103-2029

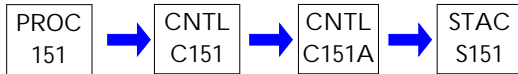
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 151

Source Name: A-3 PASTE MIXING (AAF ROTO/SCIEN FC 6)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 A3 PASTING/CASTING

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

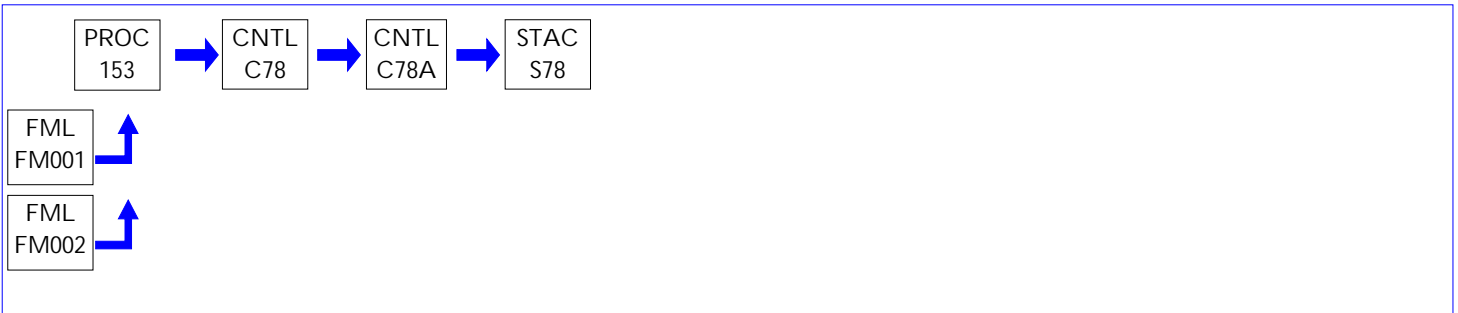
No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 153

Source Name: A-3 COS &amp; ENVELOP (SCIENTIFIC FC 2)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall limit the emissions from the battery assembly source to the following:

- a. Particulate/PM-10 - 0.0001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The conditions in this section only apply to the proposed new battery assembly source to be constructed in the A3 Assembly Plant, as identified in East Penn's application and associated supplemental materials, and all associated control devices.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall operate the battery assembly source with no visible emissions.

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**



**SECTION D. Source Level Plan Approval Requirements**

The permittee shall limit the fuel used by the battery assembly source to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the battery assembly source will be operated, but not later than 180 days after the initial startup of the battery assembly source, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the exhaust of the control devices of this battery assembly source.

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374, NSPS]

The permittee shall use appropriate EPA reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of the permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across the fabric collector and HEPA filter once per week while the battery assembly source is operating.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

**SECTION D. Source Level Plan Approval Requirements**

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector and HEPA filter can be measured.

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspections shall include at a minimum the following:

- a. Visible inspection of the collectors and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 011 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate any combustion sources in a manner consistent with good combustion practices.

**VII. ADDITIONAL REQUIREMENTS.**

# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

[Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants](#)

[Applicability and designation of affected facility.](#)

The source is subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

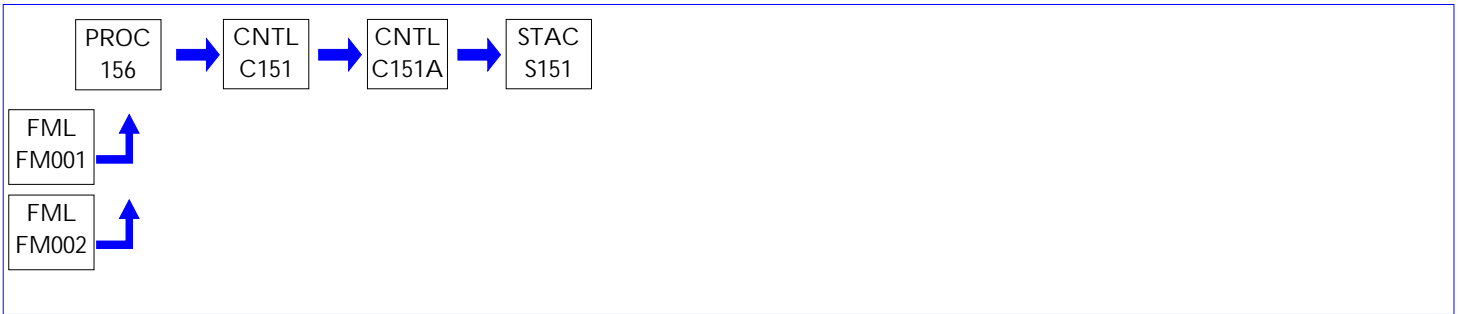
## SECTION D. Source Level Plan Approval Requirements

Source ID: 156

Source Name: A-3 GRID CASTING (SCIENTIFIC FC 6)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 A3 PASTING/CASTING



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

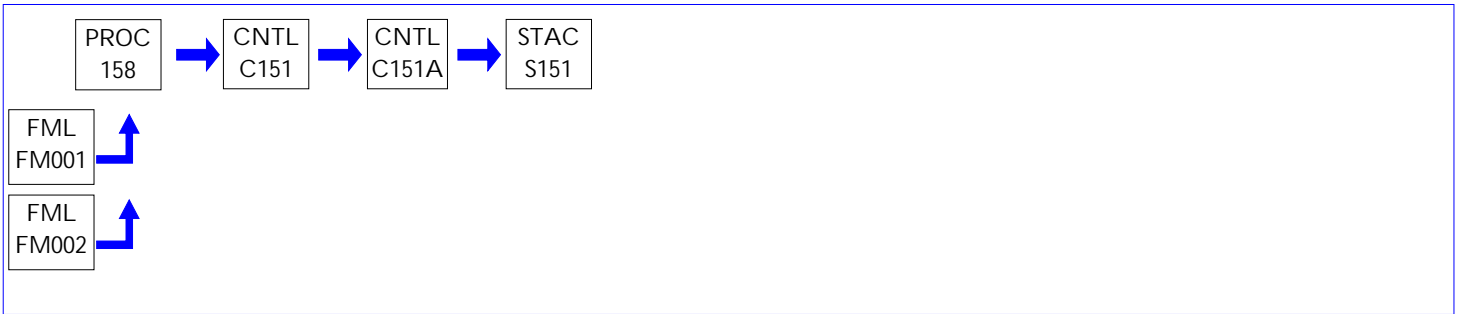
## SECTION D. Source Level Plan Approval Requirements

Source ID: 158

Source Name: A-3 PASTING (SCIENTIFIC FC 4 & 6))

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG02 A3 PASTING/CASTING



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

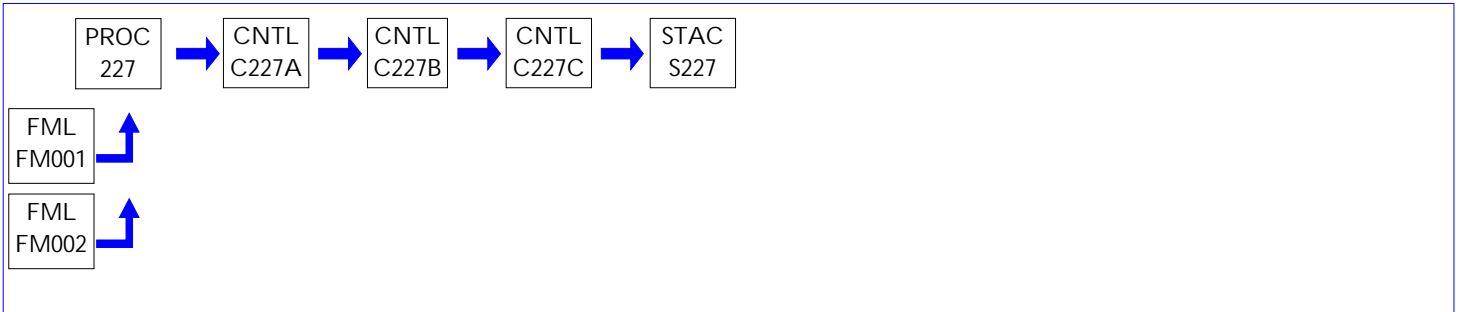
**SECTION D. Source Level Plan Approval Requirements**

Source ID: 227

Source Name: LEAD OXIDE MILL NO. 27

Source Capacity/Throughput: 2,600.000 Lbs/HR  
1,500.000 CF/HRLEAD OXIDE  
NATURAL GAS

Conditions for this source occur in the following groups: SG01 OXIDE MILLS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

## SECTION D. Source Level Plan Approval Requirements

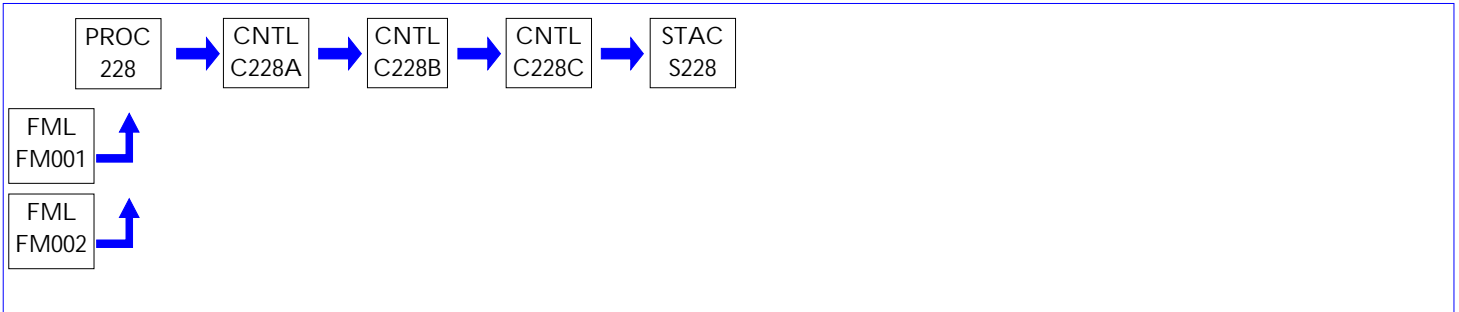
Source ID: 228

Source Name: LEAD OXIDE MILL NO. 28

Source Capacity/Throughput: 2,600.000 Lbs/HR  
1,500.000 CF/HR

LEAD OXIDE  
NATURAL GAS

Conditions for this source occur in the following groups: SG01 OXIDE MILLS



### I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

### VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG01 OXIDE MILLS

Group Description: Lead Oxide Mills

Sources included in this group:

ID	Name
227	LEAD OXIDE MILL NO. 27
228	LEAD OXIDE MILL NO. 28

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emissions into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall limit the emissions from each mill to the following:

- a. Particulate/PM-10 - 0.01 grains per dry standard cubic foot
- b. Lead - 0.010 pounds per ton of lead feed
- c. Lead - 0.06 tons during any consecutive 12-month period

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall operate the mills with no visible emissions.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the fuel used by the mills to natural gas or a propane-air mix.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374, NSPS]

Within sixty (60) days after achieving the maximum production rate at which the mills will be operated, but not later than 180 days after the initial startup of the mills, the permittee shall conduct performance testing on each mill as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The

**SECTION E. Source Group Plan Approval Restrictions.**

testing shall be for lead and visible emissions from the mills.

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR PART 60, Section 60.374, NSPS]

The permittee shall use the appropriate EPA reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record the pressure differential across each fabric collector and HEPA filter once per day.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across each fabric collector and HEPA filter can be measured.

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspection shall include at a minimum the following:

- a. Visible inspection of the collector and equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the combustion units in a manner consistent with good combustion control.



**SECTION E. Source Group Plan Approval Restrictions.****VII. ADDITIONAL REQUIREMENTS.**

# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants

Applicability and designation of affected facility.

The mills are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: SG02 A3 PASTING/CASTING

Group Description: Pasting and Grid Casting Operations at Plant A3

Sources included in this group:

ID	Name
151	A-3 PASTE MIXING (AAF ROTO/SCIEN FC 6)
156	A-3 GRID CASTING (SCIENTIFIC FC 6)
158	A-3 PASTING (SCIENTIFIC FC 4 & 6))

**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, as expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

# 002 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall limit the emissions from all of the sources within this Group Source controlled by the fabric collector and HEPA filter to the following:

- a. Particulate/PM<sub>10</sub> - 0.001 grains per dry standard cubic foot
- b. Lead - 0.0001 grains per dry standard cubic foot

# 003 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall limit the emissions of volatile organic compounds (VOC) from the caster's wheels to 0.02 grains per dry standard cubic foot.

# 004 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.372, NSPS]

The permittee shall operate all sources with no visible emissions.

**Fuel Restriction(s).**

# 005 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall operate the sources using only natural gas or a propane-air mix.

**SECTION E. Source Group Plan Approval Restrictions.****II. TESTING REQUIREMENTS.**

# 006 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374]

Within sixty (60) days after achieving the maximum production rate at which the new source will be operated, but not later than 180 days after the initial startup of the new source or the installation of the new fabric collector, whichever is later, the permittee shall conduct performance testing as per Sections 60.8 and 60.374 of 40 CFR, Part 60, Subpart KK and Chapter 139 of the rules and regulations of the Department. The testing shall be for lead and visible emissions from the fabric collector controlling all of the sources.

# 007 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

[Additional authority for this condition is derived from 40 CFR Part 60, Section 60.374, NSPS]

The permittee shall use appropriate EPA reference test methods as specified in 40 CFR Part 60, Standards of Performance for New Stationary Sources or alternative test methods as approved by the Department to determine emissions of the permitted pollutants.

**III. MONITORING REQUIREMENTS.**

# 008 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall read and record once per week, the pressure drop across the fabric collector and HEPA filter controlling the exhaust from the sources, while the sources are operating.

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

# 009 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

The permittee shall operate the combustion sources in a manner consistent with good combustion practices.

# 010 [25 Pa. Code §127.12b]

[Plan approval terms and conditions.](#)

Equipment (a differential manometer or equivalent, as approved by the Department), shall be provided and maintained so that at any time the pressure drop across the fabric collector and HEPA filter can be measured.

**SECTION E. Source Group Plan Approval Restrictions.**

# 011 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

The permittee shall conduct weekly inspections of the control devices and associated equipment. The inspection shall include at a minimum the following:

- a. Visible inspection of the collectors and associated equipment
- b. Proper removal of the collected material

The results and any corrective actions taken shall be recorded along with the date of the inspection.

**VII. ADDITIONAL REQUIREMENTS.**

# 012 [25 Pa. Code §127.12b]

**Plan approval terms and conditions.**

Should the permittee determine that the exhausting of the wet side of the pasting operations is causing a problem with the new collectors, the permittee shall direct the exhaust from these sources back to the rotoclone scrubber (C51).

# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.370]

**Subpart KK - Standards of Performance for Lead-Acid Battery Manufacturing Plants****Applicability and designation of affected facility.**

The sources are subject to Subpart KK of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. 40 CFR Section 60.4 requires submission of copies of all requests, reports, applications, submittals and other communications to both EPA and the Department. The EPA copies shall be forwarded to:

Director of Air Protection Division  
US EPA, Region III  
1650 Arch Street  
Philadelphia, Pa 19103-2029



## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.



## SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



\*\*\*\*\* End of Report \*\*\*\*\*

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